

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/074707 A1

(51) International Patent Classification⁷: **A23K 1/16**,
1/00, C12N 9/14

(21) International Application Number:
PCT/EP2005/000827

(22) International Filing Date: 28 January 2005 (28.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04002056.2 30 January 2004 (30.01.2004) EP

(71) Applicant (for all designated States except US): BASF Aktiengesellschaft [DE/DE]; 67056 Ludwigshafen (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HABICH, Andreas [DE/DE]; Martinskirchweg 26, 67346 Speyer (DE). BRAUN, Jörg [DE/DE]; Osterbergstr. 5a, 76879 Essingen (DE).

(74) Common Representative: BASF Aktiengesellschaft; 67056 Ludwigshafen (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: STABILIZED PHOSPHATASE FORMULATIONS

(57) Abstract: The invention relates to a stabilized solid or liquid enzyme formulation comprising at least one phosphatase and at least one stabilizing agent selected from the group consisting of agar, algin, carrageenan, furcelleran, ghatti gum, tragacanth gum, gum karia, guaran, locust bean gum (= carob bean gum), tamarind seed gum, arabinogalactan, xanthan (gum), at least one animal protein and mixtures thereof, with the proviso that if gelatine is used in granules as solid formulations as the only stabilizing agent, the granules are subsequently coated. The invention also relates to processes for producing these formulations, especially to solid formulations (e.g. granules) and their use in animal and/or human nutrition.

WO 2005/074707 A1